

FIG. 1

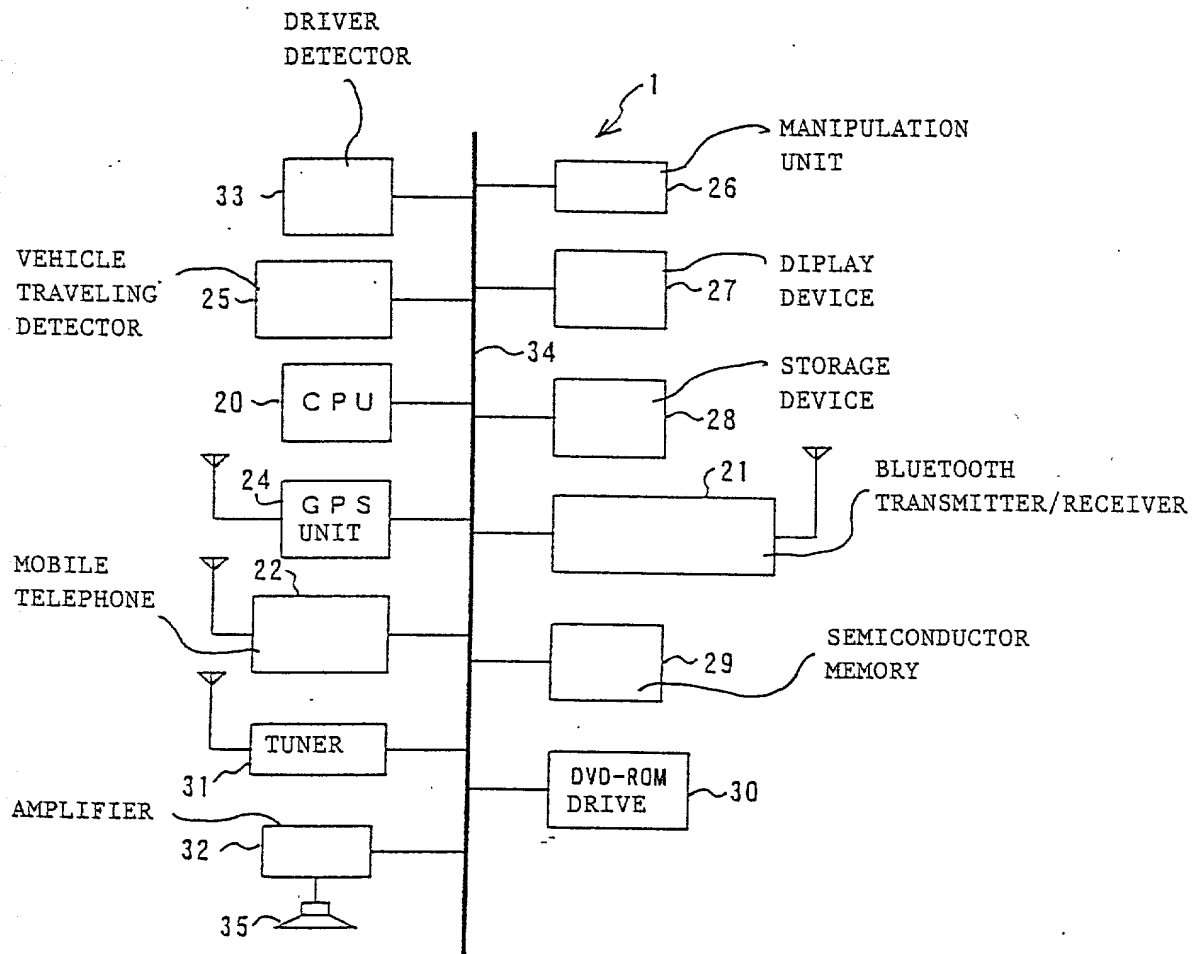


FIG. 2

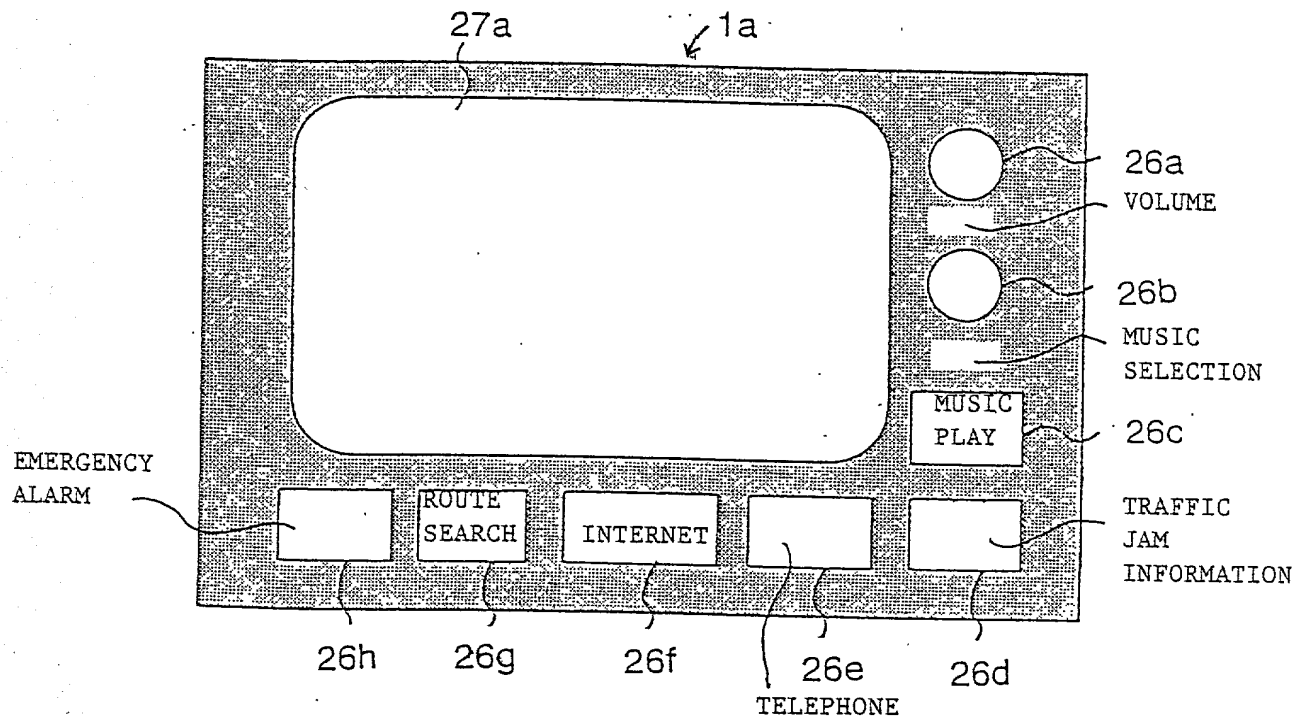


FIG. 3

MUSIC PLAY
INTERNET RADIO
MP3 DATA
GROUND WAVE

RETURN

FIG. 4 A

TRAFFIC JAM INFORMATION
RADIO
INTERNET
VICS
PREDICTION FROM PAST DATA
ATIS
SPEEDWAY PUBLIC CORPORATION GUIDE

RETURN

FIG. 4 B

TELEPHONE

CONTACT ADDRESS
LIST

RETURN

FIG. 4 C

ROUTE SEARCH
DEPARTURE
DESTINATION
DATE AND TIME
LOCATION
CONDITION
PAST RECORD

RETURN

FIG. 4 D

EMERGENCY ALARM
ACCESS POINT
EMERGENCY CENTER
AMBULANCE
POLICE
INSURANCE COMPANY
REPAIR SHOP

RETURN

FIG. 4 E

09561282.052504

CAR PROFILE DATABASE

USER

PASSWORD

FIG. 5A

CAR PROFILE DATABASE

APPLICATION
DATABASE
USER SETTING
UPDATE DATA

FIG. 5B

APPLICATION
TRAVELING MANAGEMENT
EMERGENCY ALARM
MUSIC DELIVERY
ANTI-THEFT
VEHICLE MANAGEMENT
PUBLIC TELEPHONE
ROUTE SEARCH
MAIL

RETURN

FIG. 5C

DATABASE
VEHICLE DATA
TRAVELING DATA
DRIVER DATA
MUSIC DATA
ADDRESS BOOK
MAP DATA
RETURN

FIG. 5D

USER SETTING
SET ACCESS RIGHT
ADD NEW USER
CHANGE USER DATA
SET ACCESS POINT

RETURN

FIG. 5E

UPDATE DATA
UNCONDITIONAL UPDATE (DATA MOVE)
CONDITIONAL UPDATE (DESTINATION)
CONDITIONAL UPDATE
(COMMUNICATION CONDITION)
ERASE (FORMAT)

RETURN

FIG. 5F

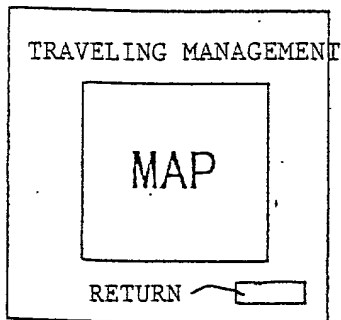


FIG. 6A

PARTS
CHECK
(MAINTENANCE
INFORMATION)
STRAT ENGINE
START AIR
CONDITIONER

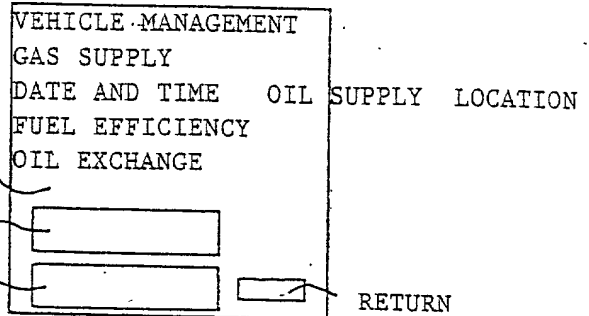


FIG. 6E

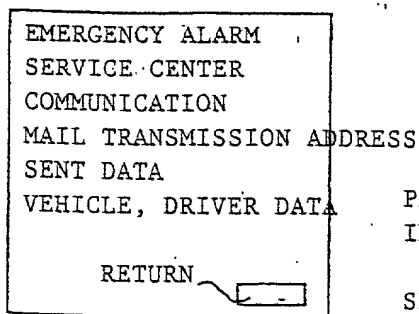


FIG. 6B

PAST
INFORMATION
SEND RESULT
TO VEHICLE

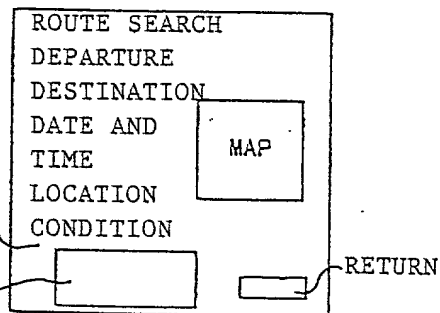


FIG. 6F

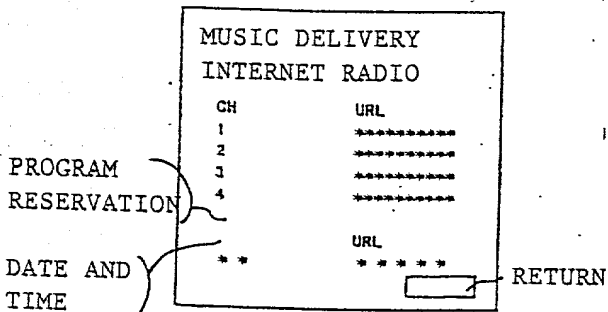


FIG. 6C

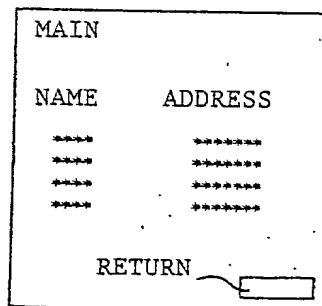


FIG. 6G

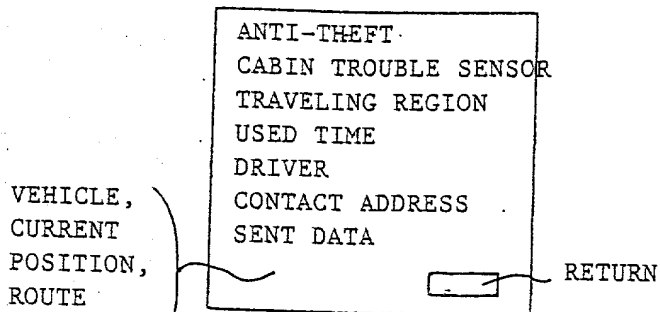


FIG. 6D

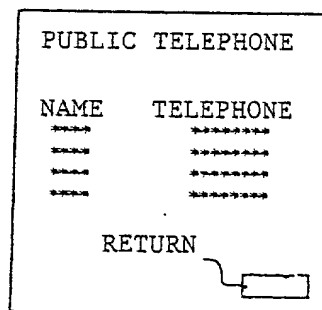


FIG. 6H

09061282-092501

NO.	TITLE	DURATION
1	*****	*****
2	*****	*****
3	*****	*****
4	*****	*****
5	*****	*****
6	*****	*****

FIG. 71

MAP DATA

MAPNAME UPDATED DATE.

SOUTH KANTO
REGION

NORTH KANTO REGIO
TOKYO METROPOLITA
KAWASAKI CITY
SAITAMA PREFECTUR
NIIGATA PREFECTUR

RETURN ☐

FIG. 7E

FIG. 7E

ADDRESS BOOK

NAME

TELEPHONE

ADDRESS

*** **

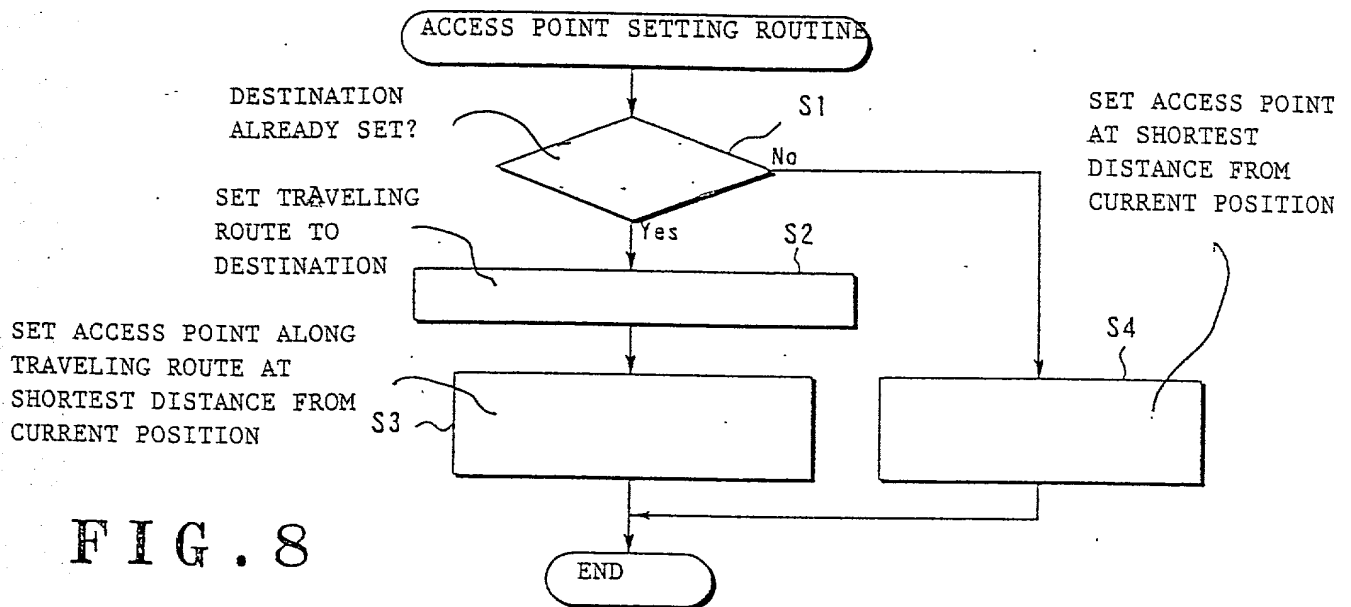
*** **

*** **

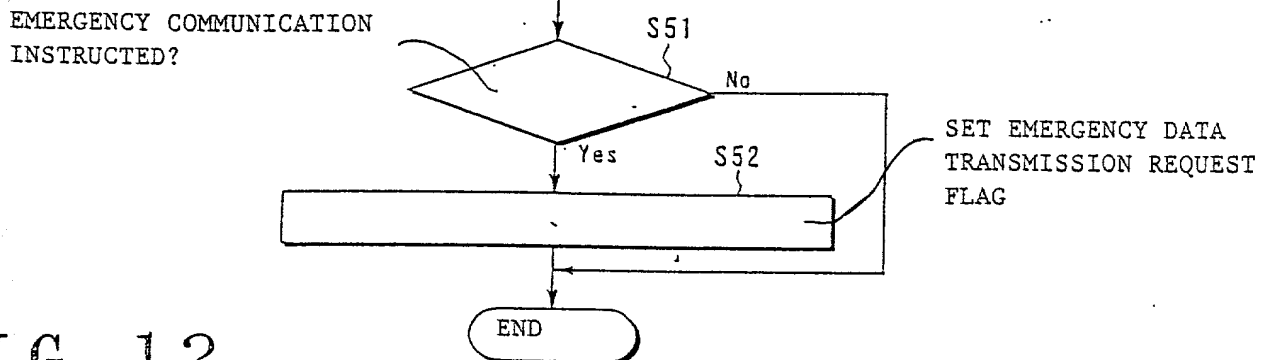
*** **

RETURN

FIG. 7F



EMERGENCY DATA COMMUNICATION
SETTING ROUTINE



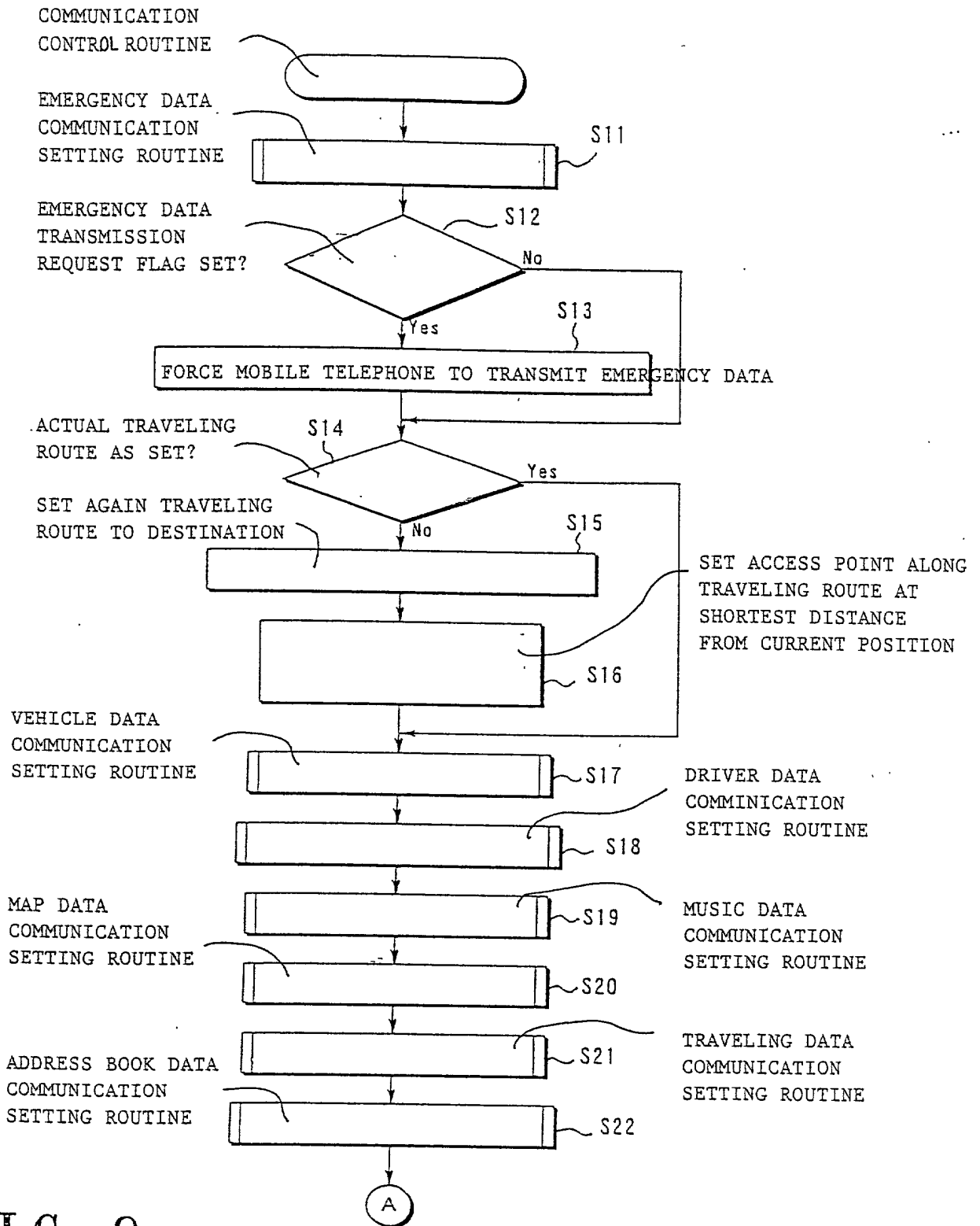
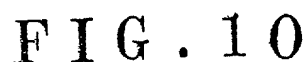


FIG. 9



COMMUNICATION AVAILABLE
ON MOBILE TELEPHONE
COMMUNICATION PATH?

VEHICLE DATA
EVENT TRANSMISSION
REQUEST FLAG SET?

DRIVER DATA
TRANSMISSION
REQUEST FLAG
B SET?

READ DRIVER DATA,
AND MOBILE
TELEPHONE TO
TRANSMIT DRIVER
DATA

FIG. 11

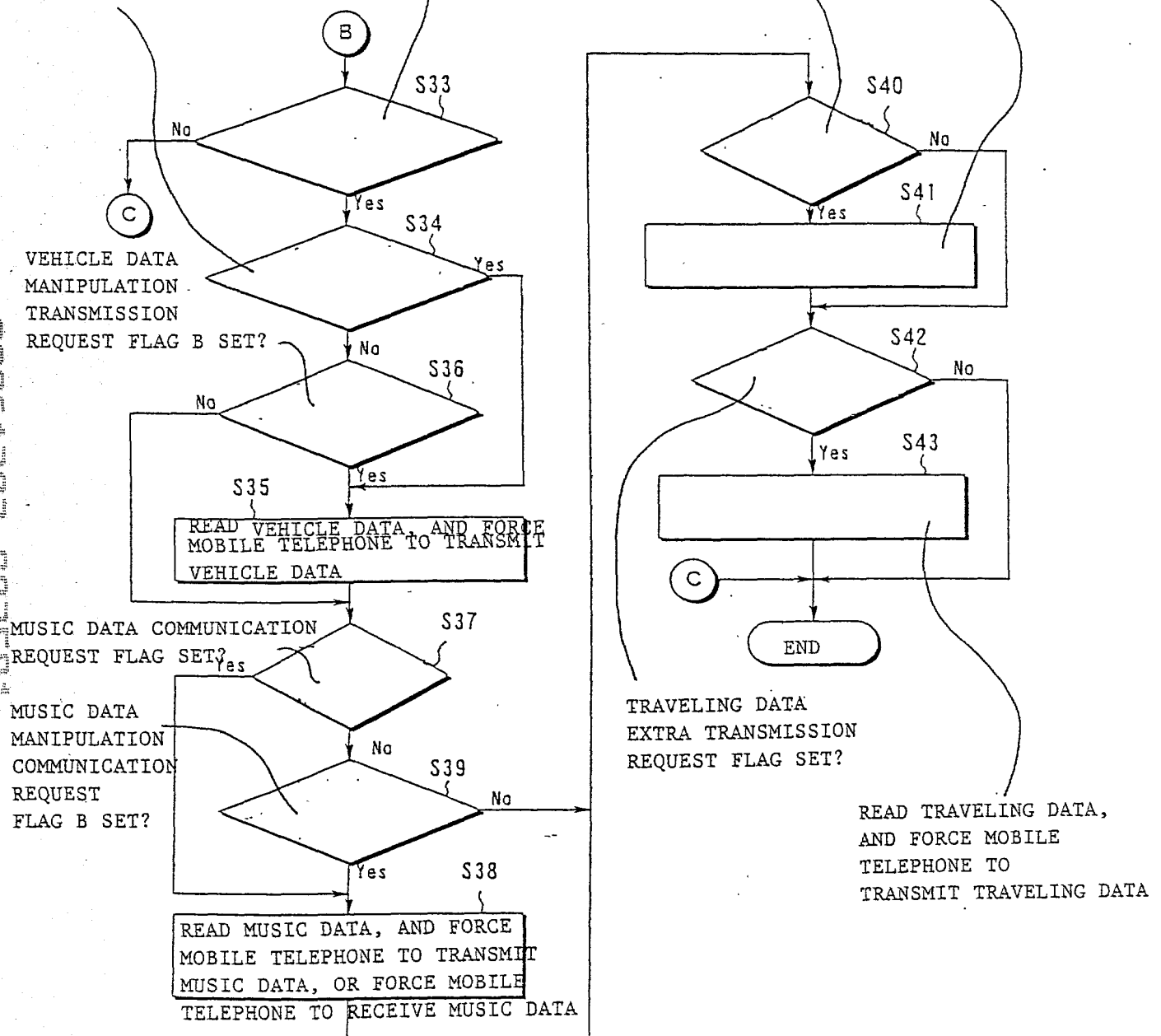


FIG. 11

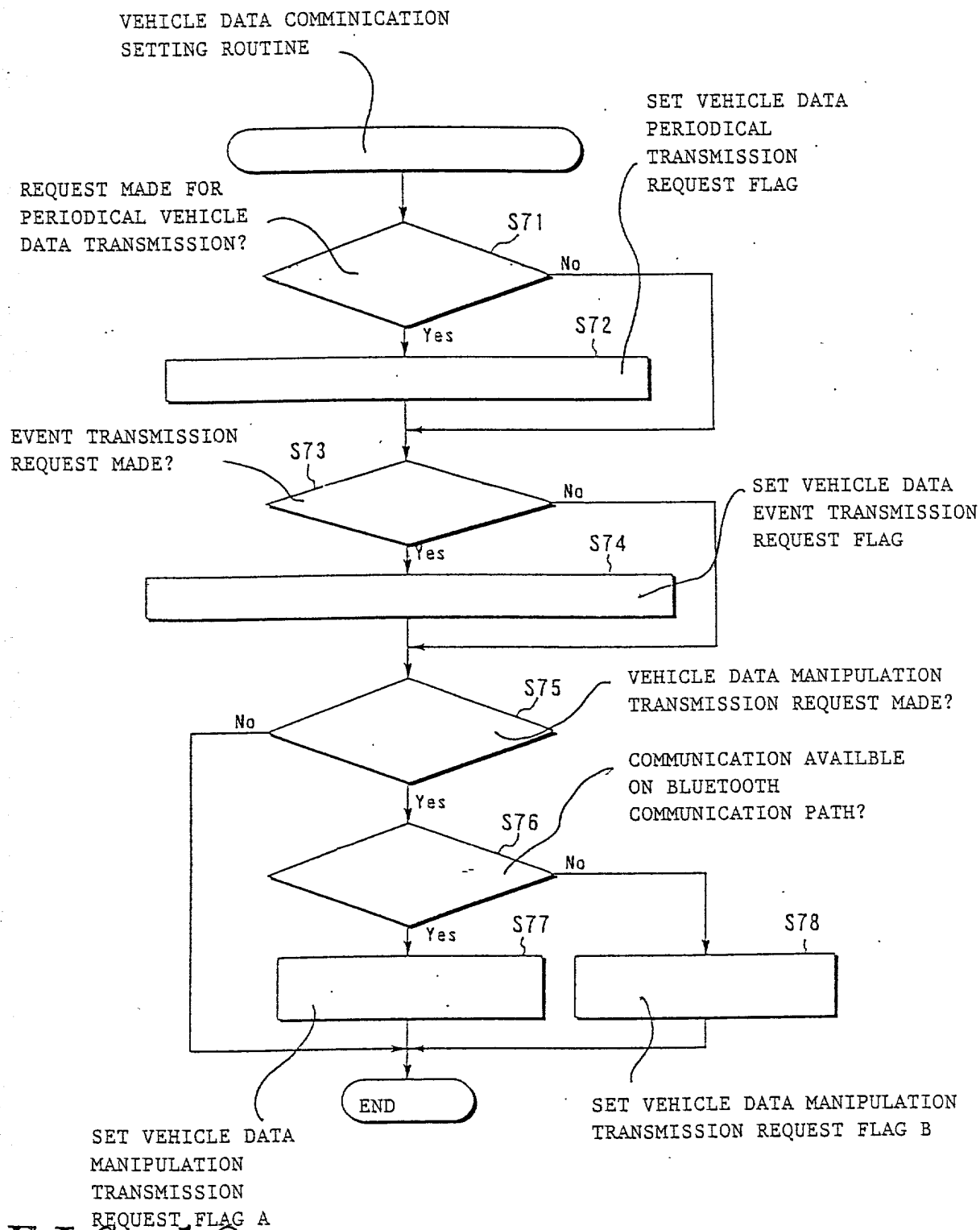


FIG. 13

09564332 095504

	TYPE	UPDATE CYCLE	PRECEDING UPDATE DATE AND TIME
VEHICLE DATA		ONE WEEK	XXXX:YY:ZZ 12:10
DRIVER DATA		START OF VEHICLE	XXXX:YY:ZZ 11:03
MUSIC DATA		TWICE A DAY	XXXX:YY:ZZ 12:00
MAP DATA		ONE A MONTH	XXXX:YY:ZZ 09:45
TRAVELING DATA		EVERY 10 MINUTES	XXXX:YY:ZZ 12:50
ADDRESS BOOK DATA		ONE A DAY	XXXX:YY:ZZ 10:10
EMERGENCY DATA		(OCCURRENCE OF EMERGENCY	XXXX:AY:GH 17:30

FIG. 14

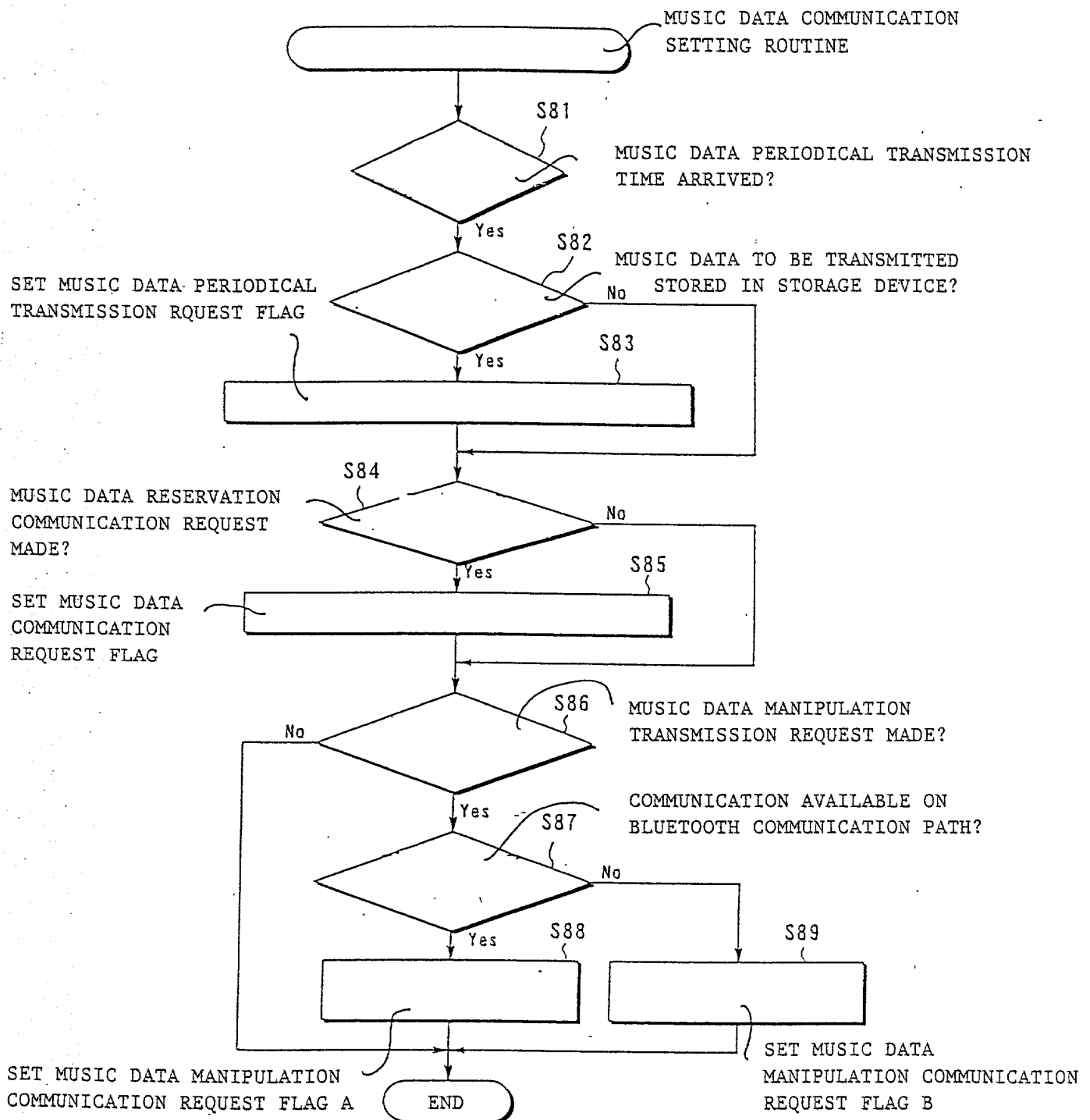


FIG. 15

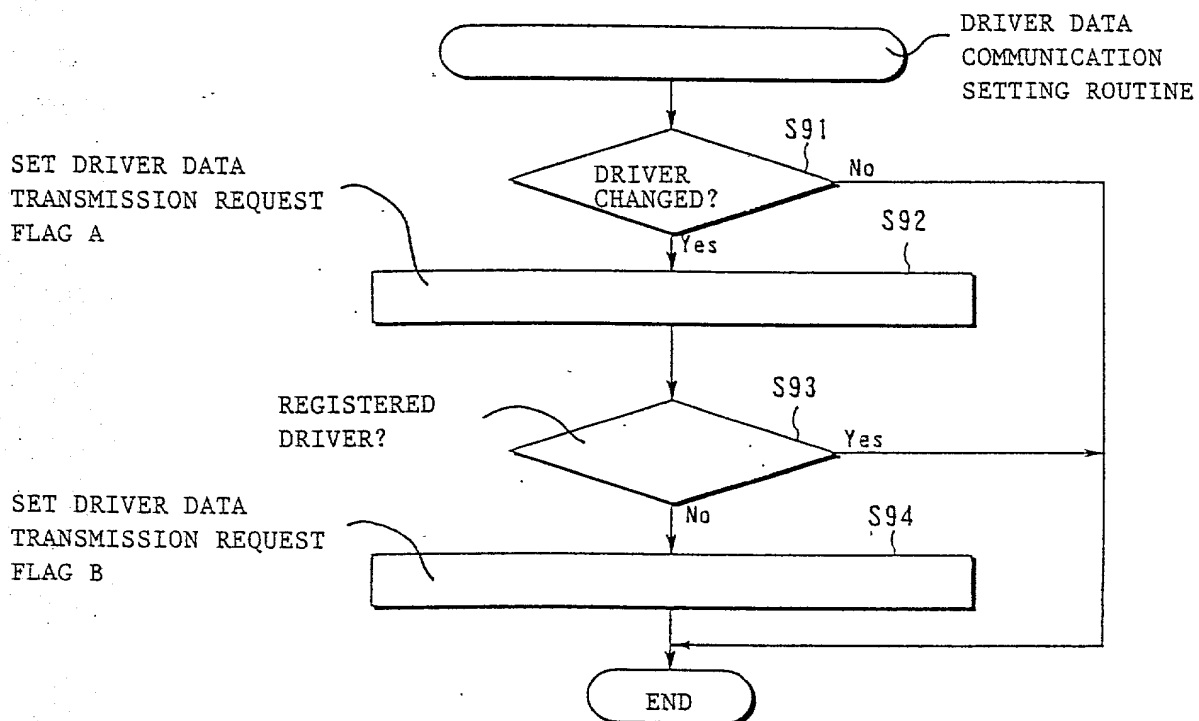


FIG. 16

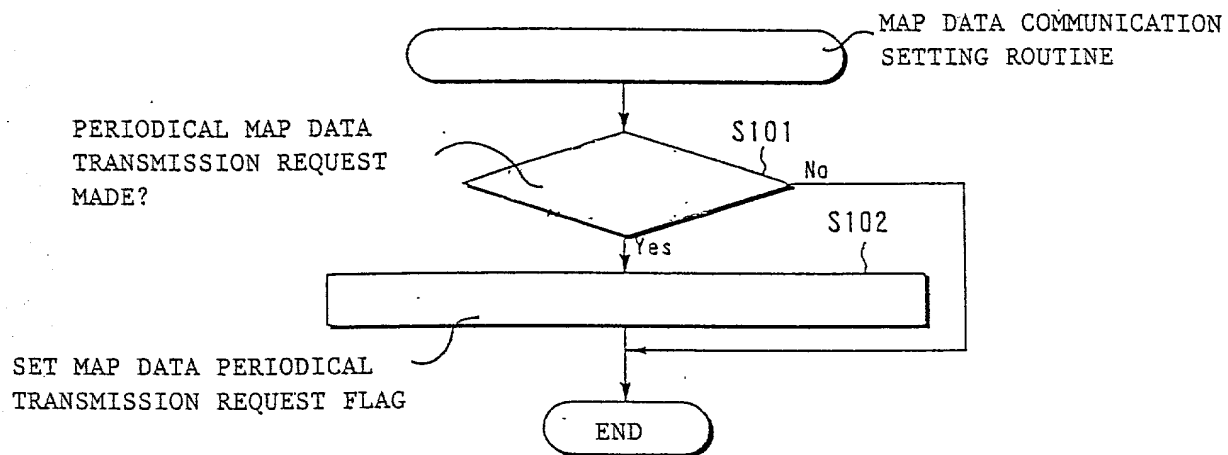
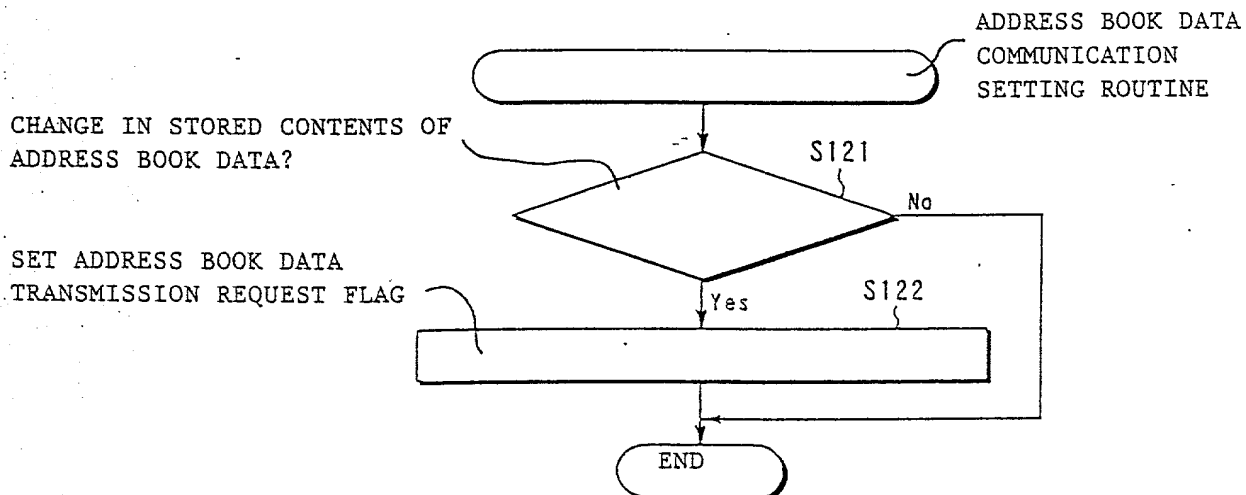
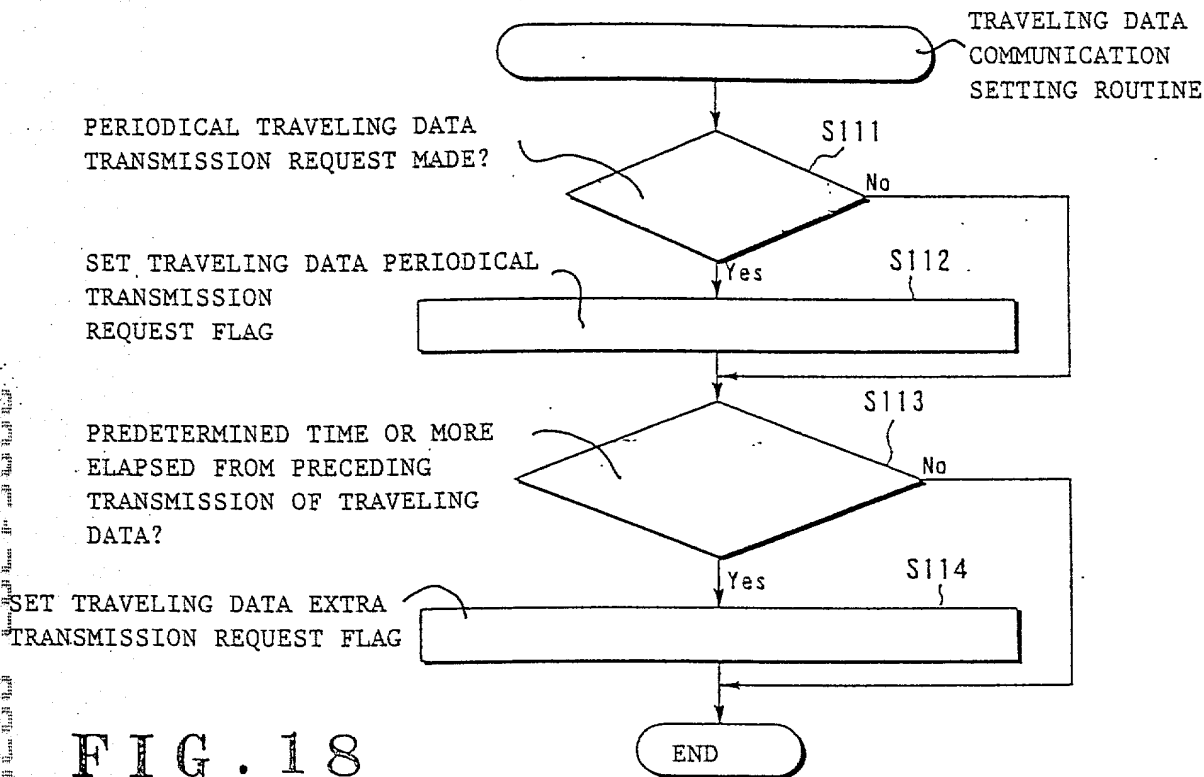


FIG. 17



DEVICE OR SERVER	VEHICLE MANAGEMENT CENTER DEVICE		TRAVELING MANAGEMENT CENTER DEVICE		MUSIC DELIVERY CENTER DEVICE		EMERGENCY MESSAGE CENTER DEVICE	
	TYPE			HOME SERVER	OFFICE SERVER			
VEHICLE DATA		○	○	○	○	×		○
DRIVER DATA		○	○	○	○	○		○
MUSIC DATA		×	×	○	○	○		×
MAP DATA		×	○	○	○	×		○
TRAVELING DATA		○	○	○	×	×		○
ADDRESS BOOK DATA		×	×	○	○	×		×
EMERGENCY DATA		×	×	○	×	×		○

FIG. 20

REQUEST FOR USER
IDENTIFICATION CODE IN
AND PASSWORD

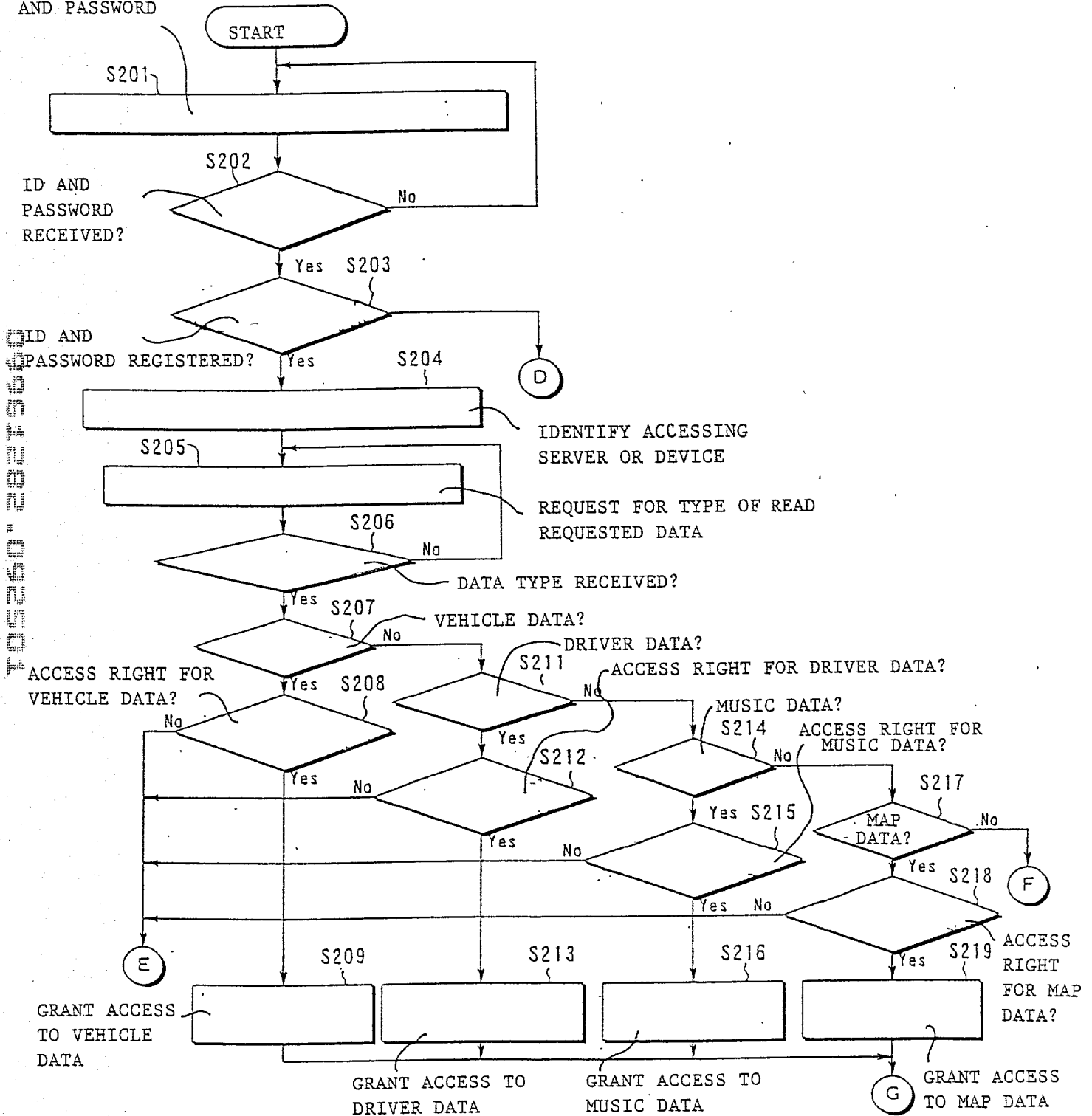


FIG. 21

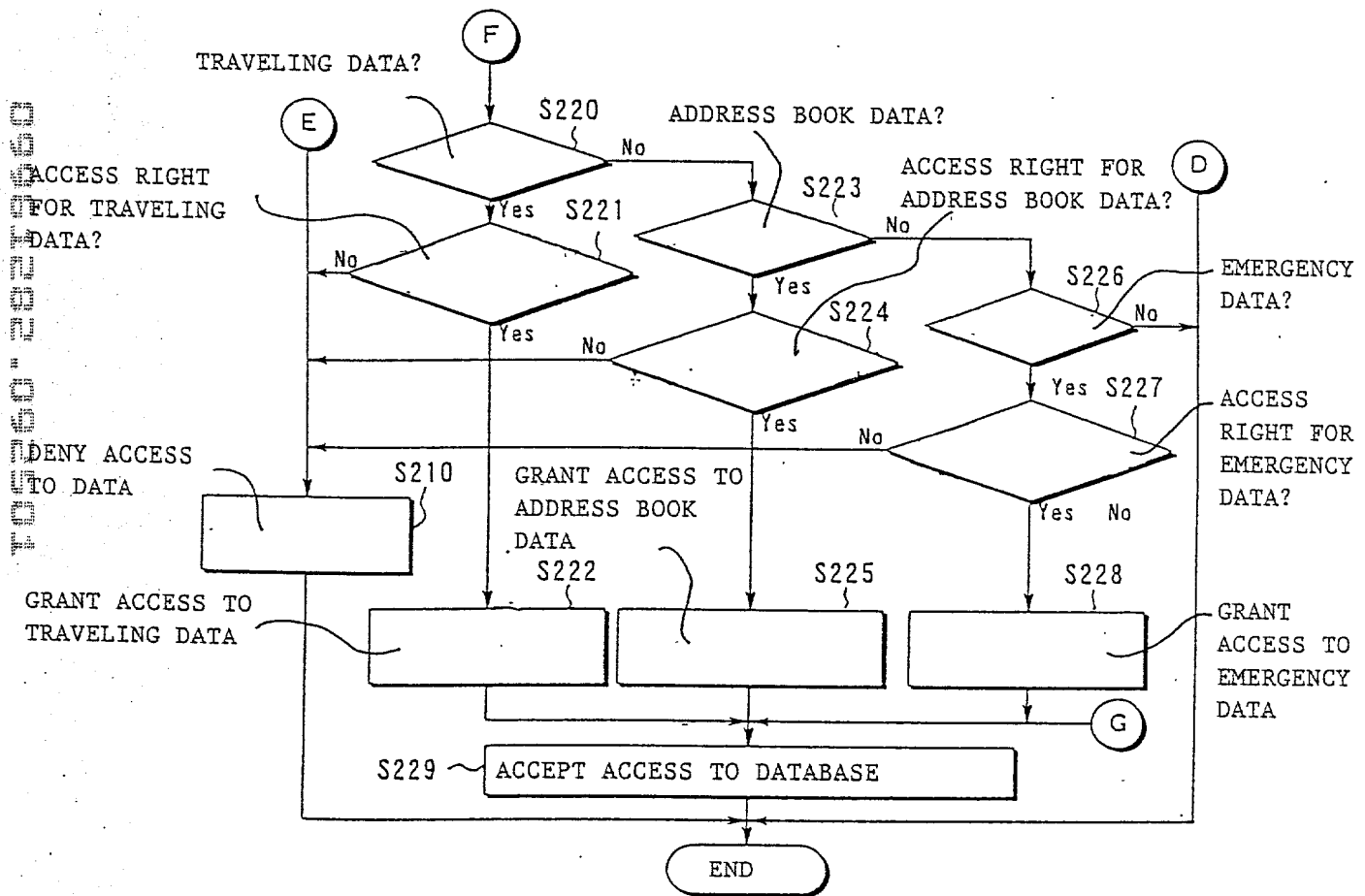


FIG. 22

05561362 "05561362" 05561362

USER GROUP		FRIEND		POLICE		FIRE		REPAIR	
TYPE		OWNER	FAMILY MEMBER	SECURITY COMPANY		STATION		SHOP	
VEHICLE DATA		○	○	○	○	○	○	○	○
DRIVER DATA		○	○	○	○	×	○	×	×
MUSIC DATA		○	×	○	×	×	×	×	×
MAP DATA		○	○	○	○	○	×	×	×
TRAVELING DATA		○	○	×	×	×	×	○	○
ADDRESS BOOK DATA		○	×	×	×	×	×	×	×

FIG. 23

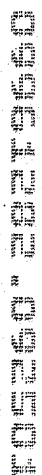


FIG. 24

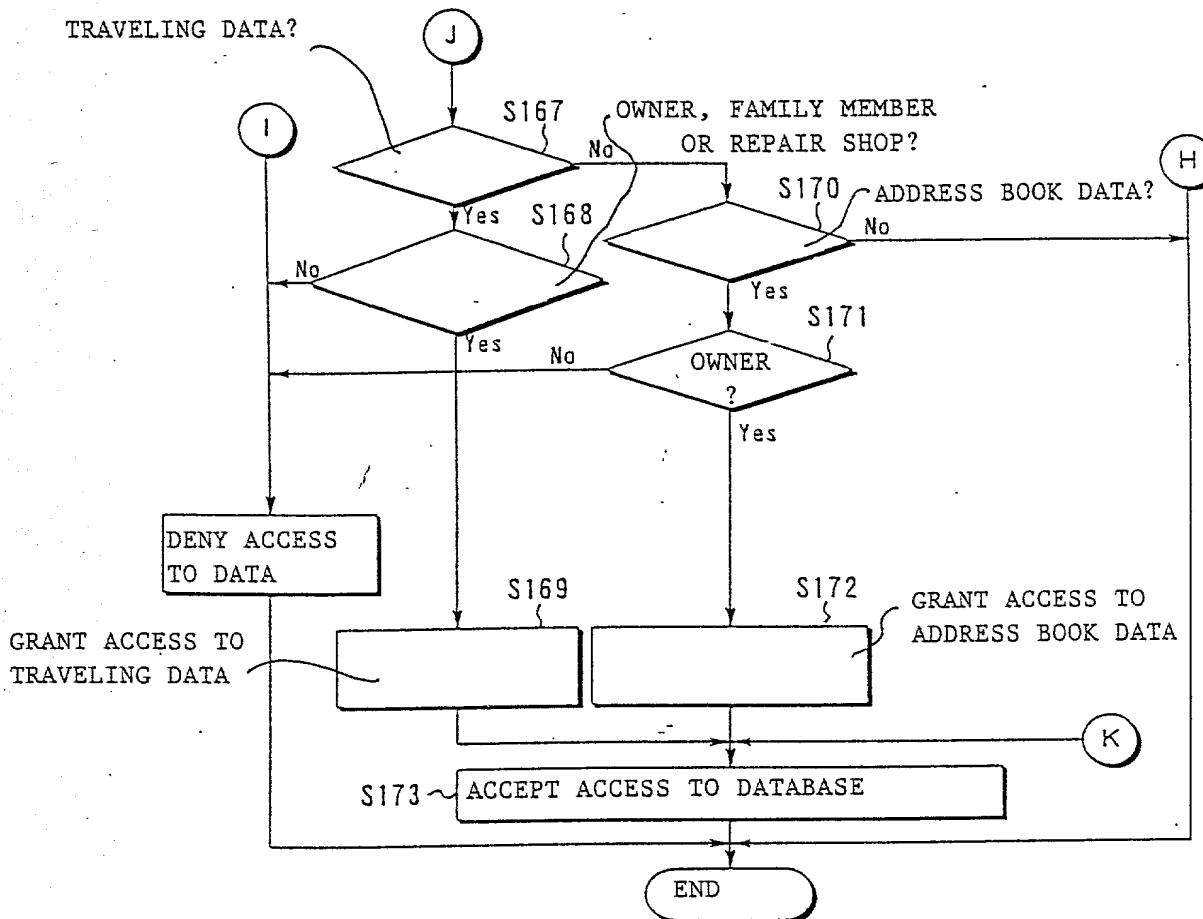


FIG. 25